

ABSTRACT OF THE DISCLOSURE

A coated body that includes a substrate and a coating scheme on the substrate. The coating scheme on the substrate wherein the coating scheme includes an alpha-alumina coating layer that exhibits a platelet grain morphology at the surface of the alpha-alumina coating layer or a kappa-alumina coating layer that exhibits either a lenticular grain morphology or a polyhedra-lenticular grain morphology at the surface thereof or an alpha-kappa-alumina coating layer that exhibits either a large multifaceted grain morphology or a polyhedra-multifaceted grain morphology at the surface thereof.